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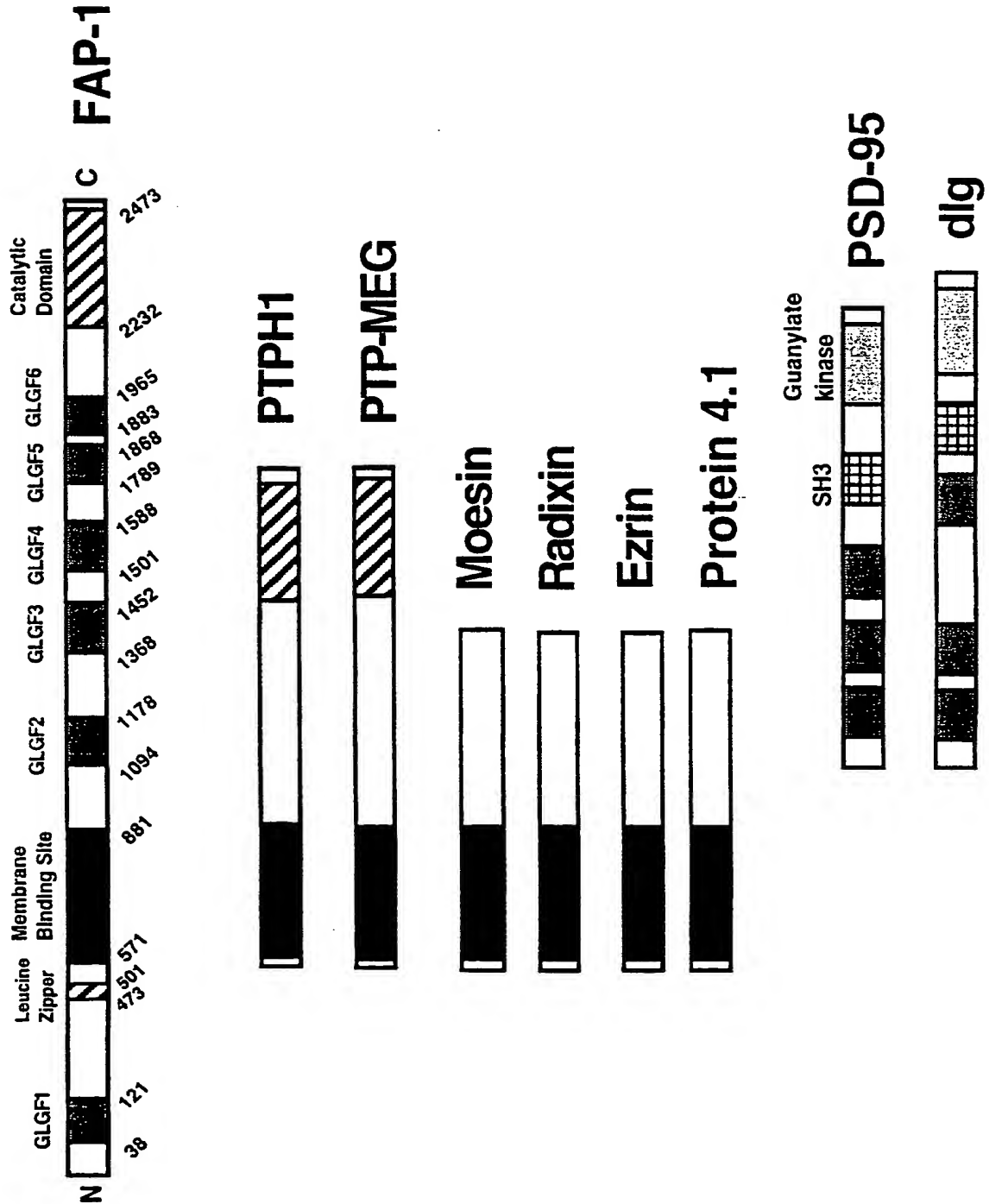
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FIG. 1



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FIG. 2A

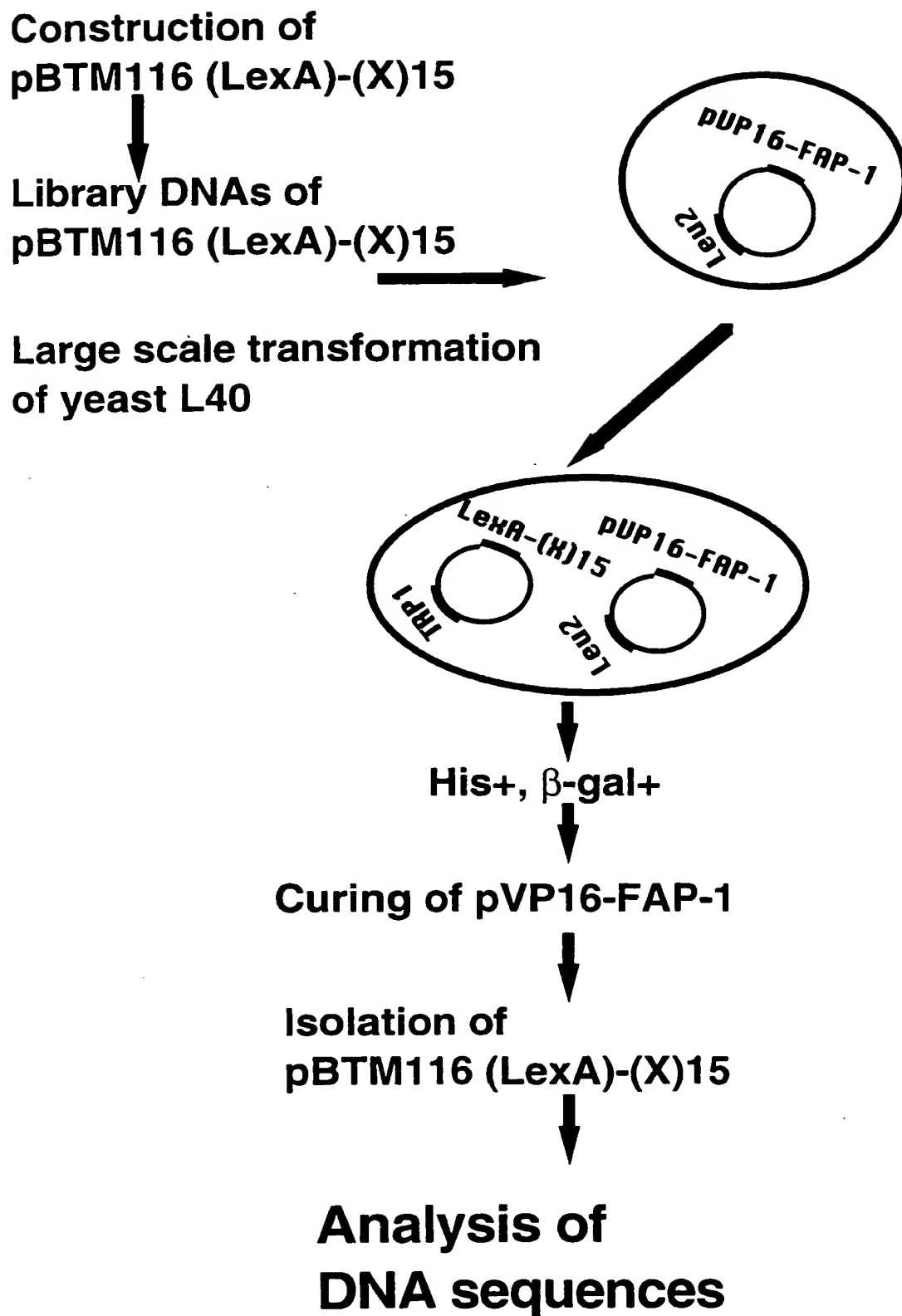


FIG. 2B

Human

D S E N S N F R N E I Q S L V

| | | | | | | |

Rat

S I S N S R N E N E G Q S L E

| | | | | | | |

Mouse

S T P D T G N E N E G Q C L E

FIG. 2C

- - - N S - - - N E - Q S L -

C	Y	A		A	I	G		L			V	12-0
E	N	A		G	V	S		E			V	5-0
W	W	G		A	T	Q		P			V	13-0
E	H	A		Q	Q	Q		Q			V	20-0
N	S	S		F	H	S		L			V	6-2
G	L	R		L	P	P		D			V	9-5
G	S	D		S	G	V		N			V	18-1
D	K	K		R	P	V		N			V	22-1
T	G	K		D	V	W		A			V	71-1
A	S	R		N	E	E		L			I	14-5

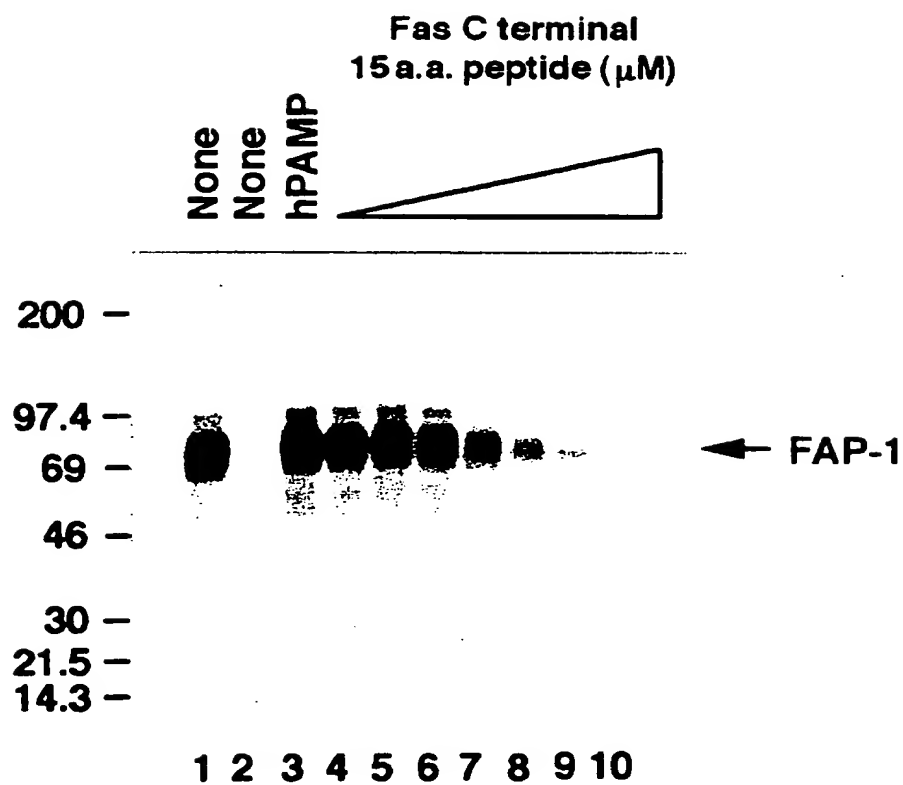
FIG. 2D

I	P	P	D	S	E	D	G	N	E	E	Q	S	L	V	8-1
D	S	E	M	Y	N	F	R	S	Q	L	A	S	V	V	9-3
I	D	L	A	S	E	F	L	F	L	S	N	S	F	L	14-1
P	P	T	C	S	Q	A	N	S	G	R	I	S	T	L	0-2
S	D	S	N	M	N	M	N	E	L	S	E	V			57-5
Q	N	F	R	T	Y	I	V	S	F	V					72-1
R	E	T	I	E	S	T	V								25-9
R	G	F	I	S	S	L	V								16-13
T	I	Q	S	V	I										6-3
E	S	L	V												18-1

Consensus: t S-X-V/L/I

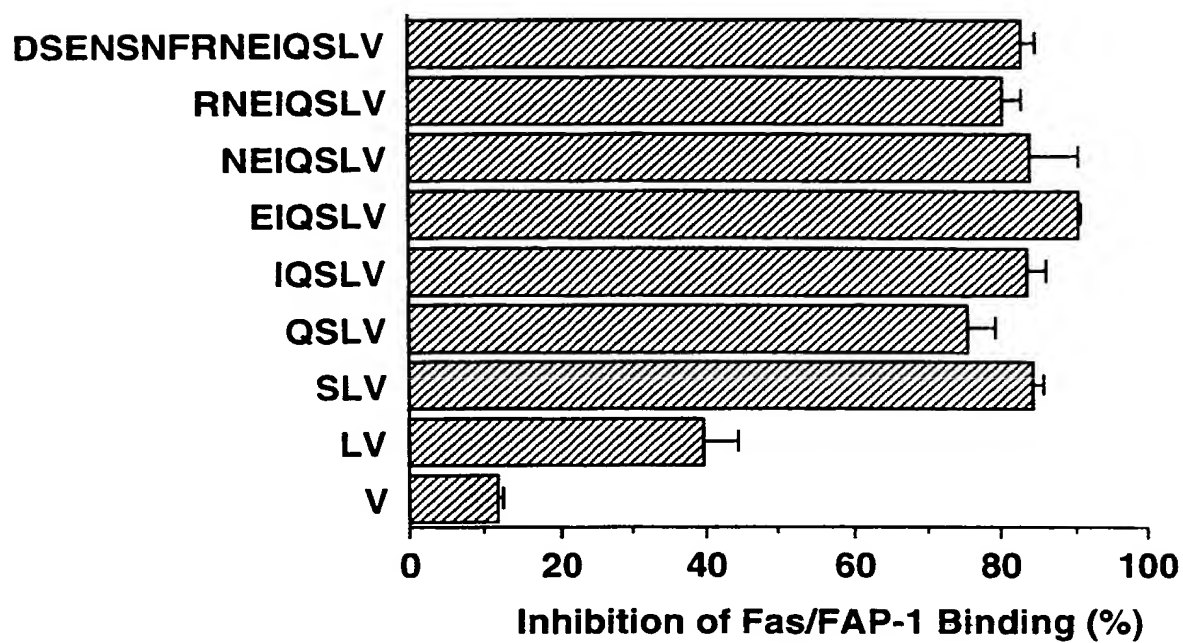
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FIG. 3A



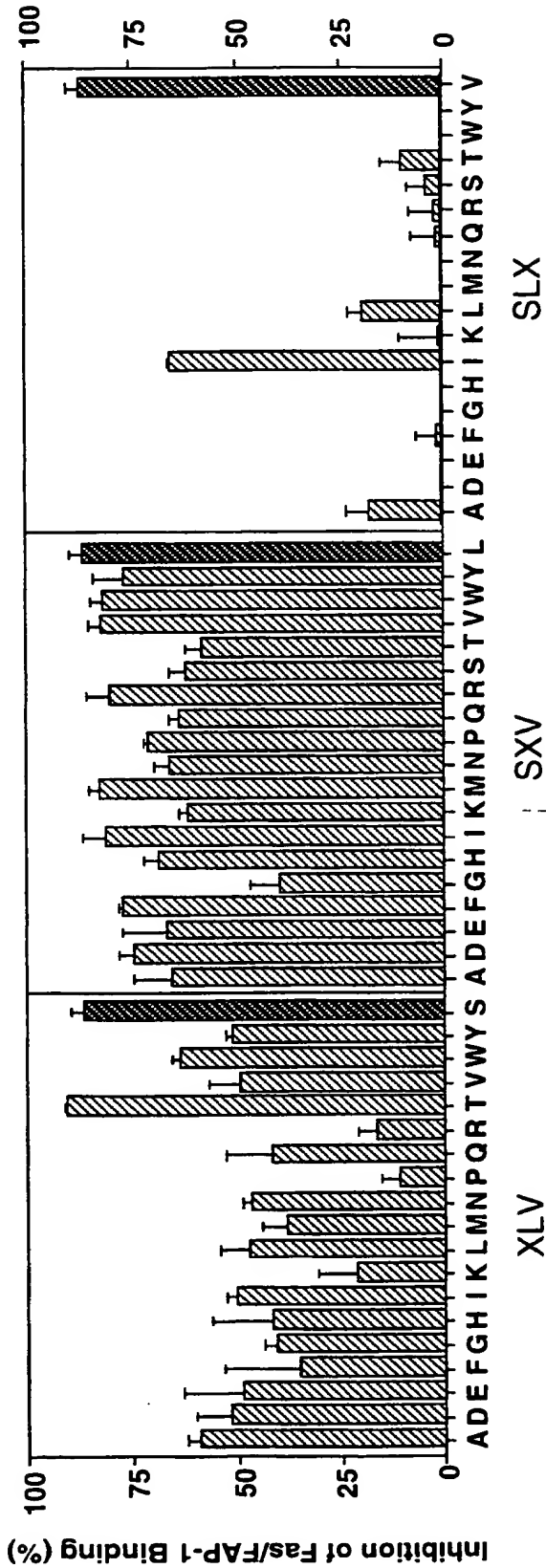
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FIG. 3B



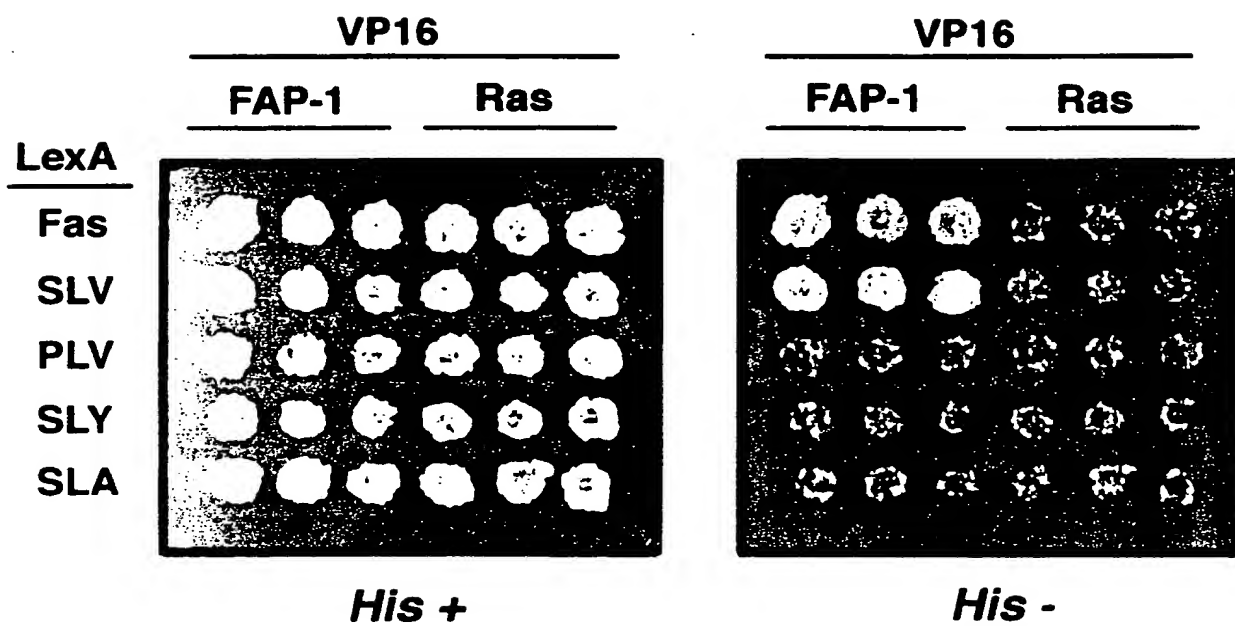
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FIG. 3C



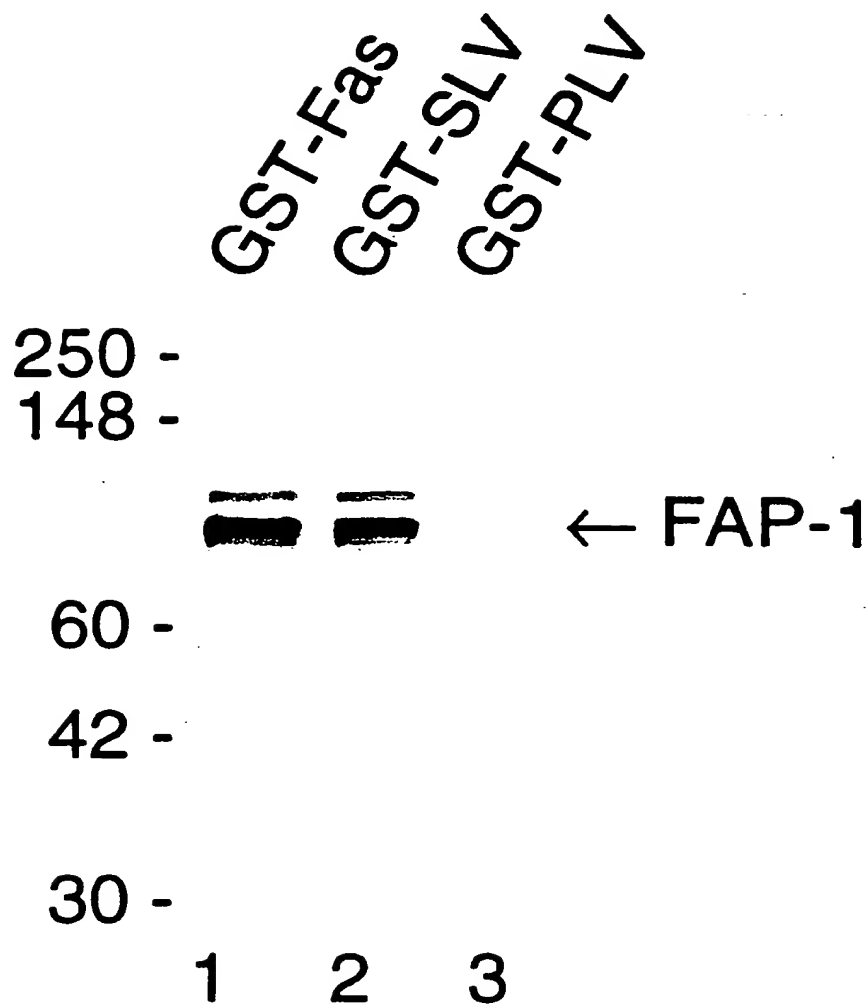
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FIG. 4A



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FIG. 4B



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FIG. 4C

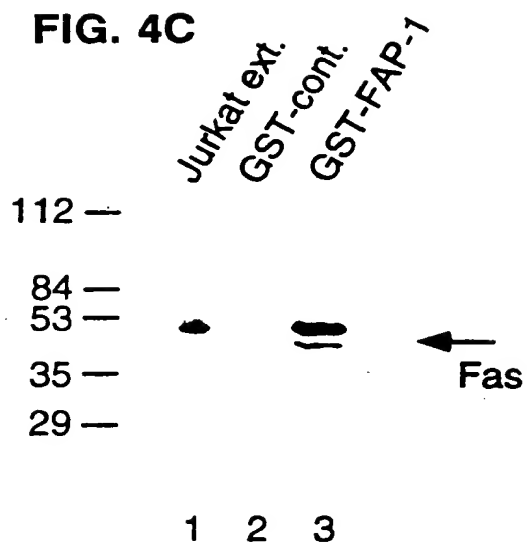
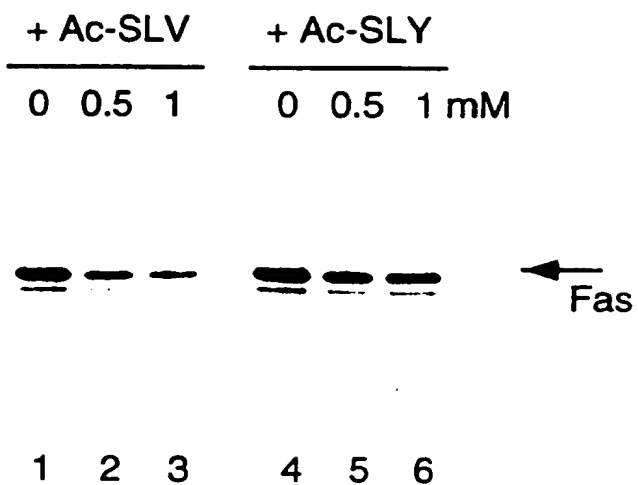
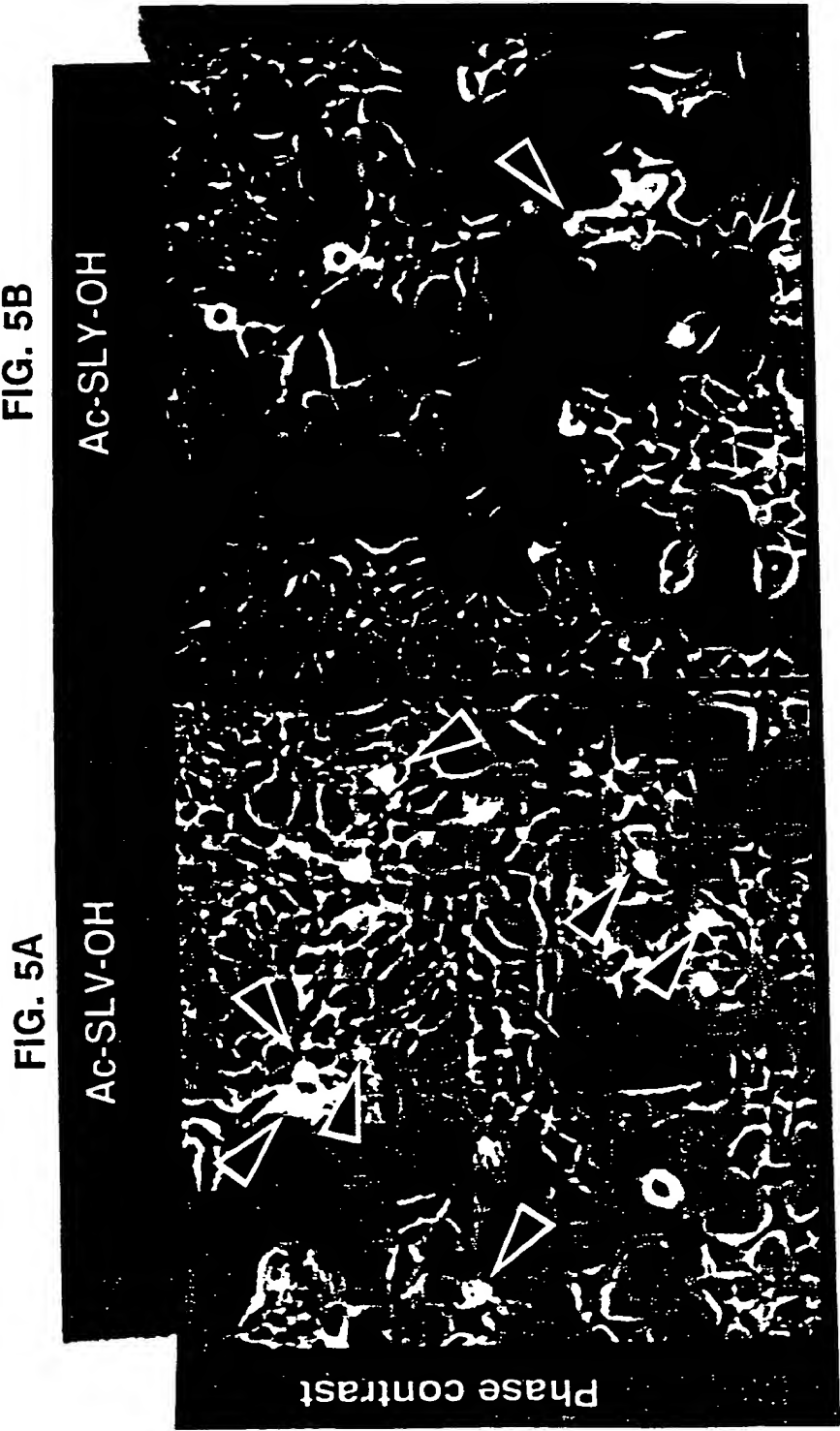


FIG. 4D



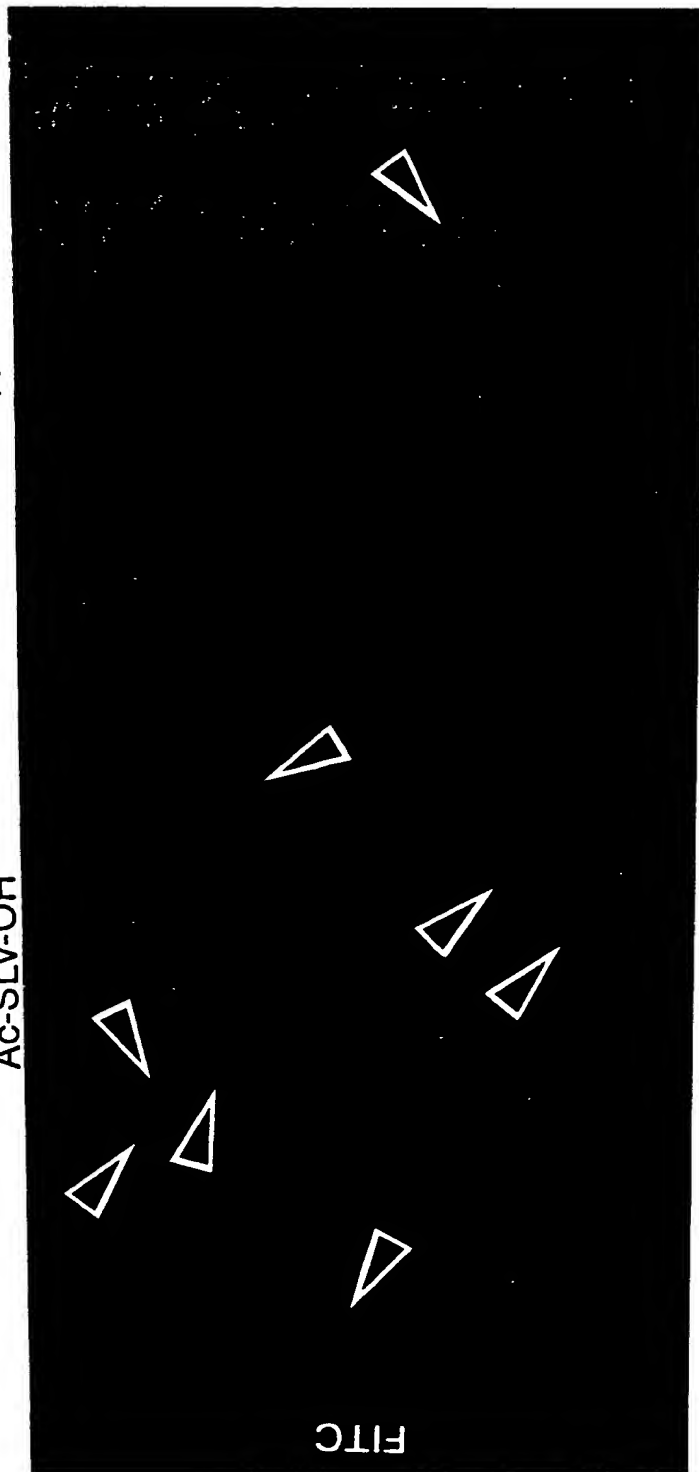
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FIG. 5D
Ac-SLY-OH

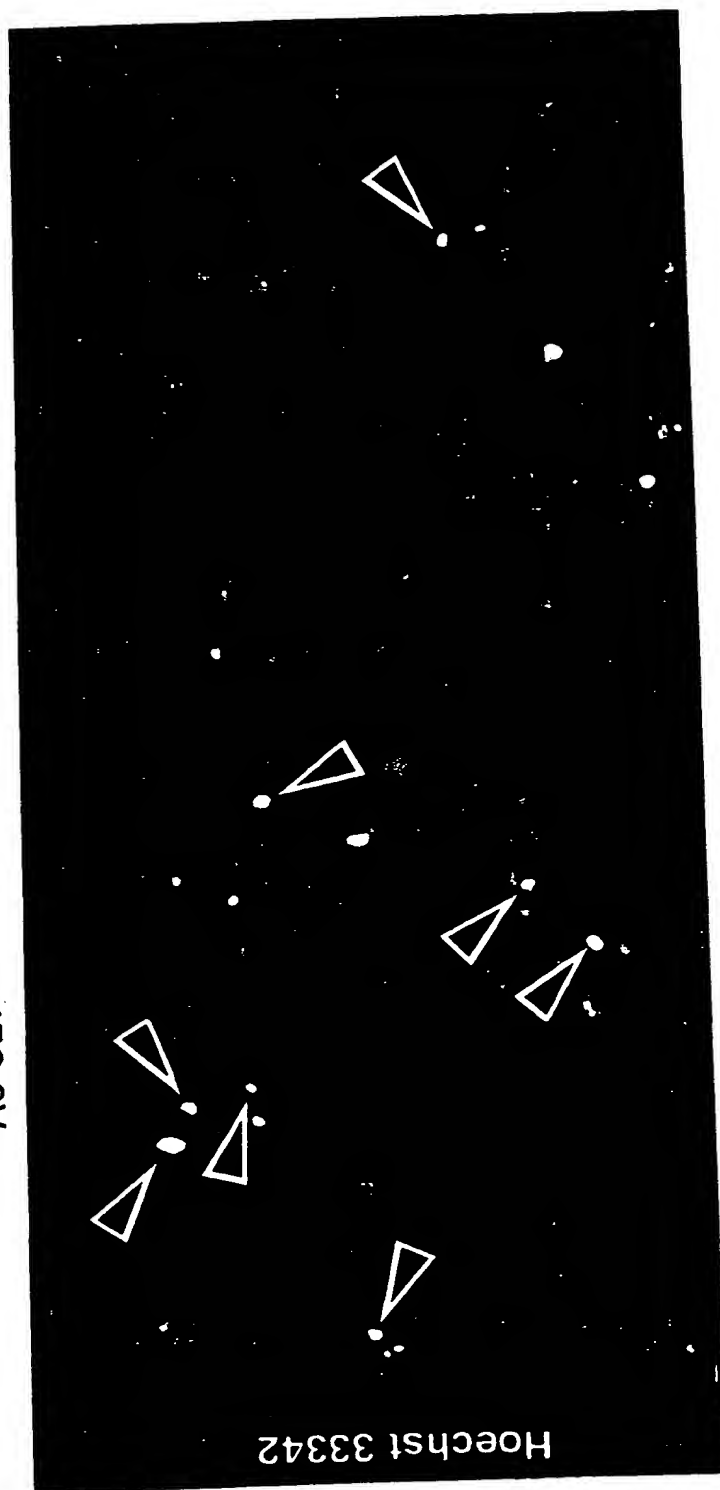
FIG. 5C
Ac-SLV-OH



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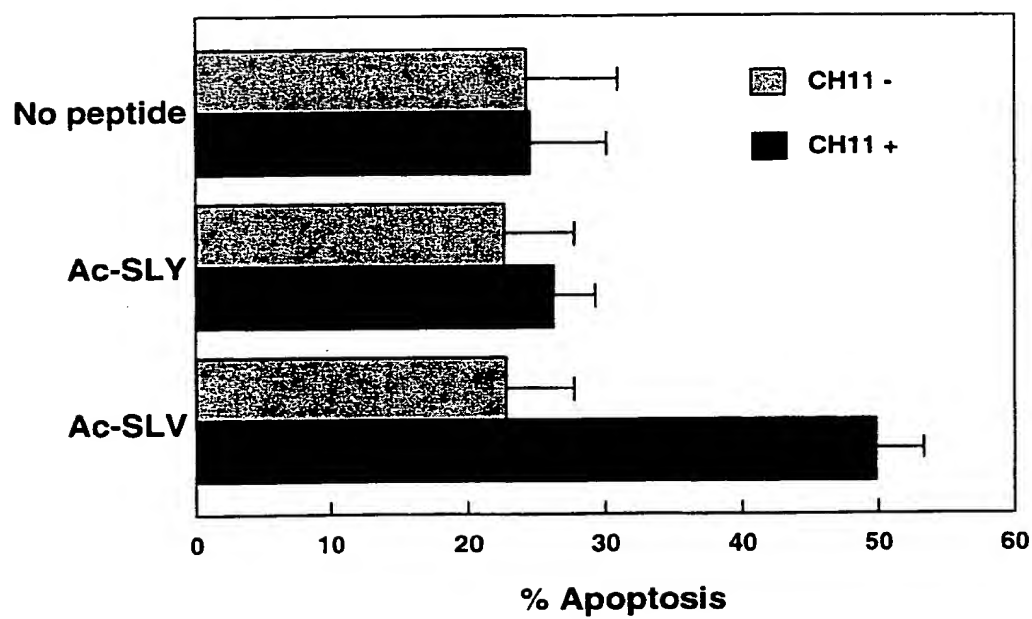
FIG. 5F
Ac-SLY-OH

FIG. 5E
Ac-SLV-OH



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FIG. 6



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FIG. 7A

NGF Receptor

1 mgagatgram dgprllllll lgvslggake acptglyths gecckacnlg egvaqpcgan
 61 qtvcepclds vtfsdvvsat epckpctecv glqmsapcv eaddavcrca ygyyqdettg
 121 rceacrvicea gsglvfscqd kqntvceecp dgtydeanh vdpclpctvc edterqlrec
 181 trwadaecee ipgrwitrst ppegdstap stqepeappe qdliastvag vvtvmgssq
 241 pvtvtrgttdn lipvycsila avvuglvayi afkrwnsckg nkqgansrpv nqtpppegek
 301 lhsdsgisvd sqslhdqqph tqtasgqalk gdgglysslp pakreevekl lngsagdtwr
 361 hlagegygqp ehidsfthea cpvrallasw atqdsatlada llaalrrigr adlveslcse
 421 statspv

FIG. 7B

CD4 Receptor

1 mnrgvpfrhl llvlqlallp aatqgkvv1 gkkgdtvelt ctasqkksiq fhwknsngik
 61 ilngqgsflt kgpsklndra dsrrslwdqg nfpliiknlk iedsdtyice vedqkeevql
 121 lvfgltansd thllqgsalt ltlesppgss psvqcrsprg kniqggkttls vsqlelqdsq
 181 twtctvlqng kkvefkidiv vlafqkassi vykkegeqve fsfplafave kltgsgelww
 241 qaerassks witfdlknke vsvkrvtqdp klmggkklpl hltlpqalp qagsgnltla
 301 leaktgklhq evnlvmrat qlqknltecew wgtpspklml slklenkeak vskrekavw
 361 lnpeagmwqc llsdsggvll esnikvlpw stpvqpmali vlggvaglll figlgiffcv
 421 rcrhrrrrqae rmsqikrlls ekktcqcphr fqktcspi

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FIG. 7C

Species	C-terminal sequences of NGFR (p75)	Binding activity of FAP-1
Human	tSESTATSPV-COOH	+
Rat	tSESTATSPV-COOH	+
Chicken	tSESTATSPV-COOH	+

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FIG. 7D

1 mnsgvamkyg ndsaaelsel hsaalaslkq divelnkrlq qtererdlle kklakagceq
 61 shlnrehedv qerttlryee ritehsvia elnkkidrlq gttireedey selrselsqs
 121 qhevmedsrs mdqdgtsvsi penqetmvt a dmdncsdins elqrvitgle nvvcgrkkss
 181 cslsvaevdr hieqlttase hcdlaiktve eieglgrdl ypnlaeersr wekelaglire
 241 enesltamlc skeeelnrtk atmnairer drlrrrvrel qtrlqsvqat gpsppgrits
 301 tnrrpinstg elstsssnd ipiakiaerv klsktrssss sddrpvlgs eissigvsssv
 361 aehiahsld qd csniqelfqt lyshgsaise skirefevet erlnsriehl ksqndlltit
 421 leecksnaer msmlvgkyes natalrlalq yseqcieaye lllalaeesq slilgqfraa
 481 gvgsspgdqs gdenitqmlk rahdcrktae naakallnkl dgscggafav agcsvgpwes
 541 lssnshtstt sstasscdte ftkedeqrik dyiqqlkndr aavkltml el esihidplsy
 601 dvkprgdsqr ldlenavlnq elmankeema elkaqlylle kekkalelkl streaqeqay
 661 lvhiehlkso veeqkeqrmr sissstssgsk dkgpgkecada aspalslael rttcsenela
 721 aeftnaifre kklkarvqel vsalorlts seirhqqsae fyndlkrans nlvaayekak
 781 kkhqmklikl esqmmamver hetqvrmlkq rialleens rphntet

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FIG. 7E

1 nadvfpngds tasqdvani arkgalrqkn vhevkdhkfi arffkqptfc shctdfiwgf
 61 gkqgfcqvc cfvvhkrche fvtfscpgad kgpdtddprs khkfkhtyg sptfcdhcg
 121 llyglihqgm kcdtcdmnh ledpyvklkl ipdpkmeskq ktktirstln pqwnesftfx lkpsdkdrri
 181 knlipmdpng trndfmgsls fgvseolmkmp asgwykllnq eegeynvpi pegdeegnme
 241 sveiwdwdrtrn dfgmksls gpagnkvisp sedrkqpsnn ldrvkltdfn flmvlkggsf gkvmldarkg
 301 lrqkfeakl kkdvvigdd qvgkfkepqa vfyaaeisis ayqpygksvd waygvllve mlagqppfdg
 361 teelyaikl kkdvvigdd qvgkfkepqa vfyaaeisis ayqpygksvd waygvllve mlagqppfdg
 421 nggdlmybiq dgtttrtfcg tpdyiapeii glmtkbpakr lgcgpegerd vrehafrri
 481 dfgmckeumm mehmvsypks kskaevsick trgqpvltpp dqlvianidq sdfegfsym
 541 ededelfqsi mehmvsypks kskaevsick trgqpvltpp dqlvianidq sdfegfsym
 601 dweklenrei qppfkpkvcg kgaenfdkff
 661 pqfvhplqaa ax

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FIG. 7F

1 mdilceents lestnslmq lnddtrlysn dfnsgeants dafnwtvdse nrtalscegc
 61 lpsclslh lqekwsall tavviltia gnilvimavs lekklqatn yflmslaiad
 121 mligflvmpv smltilygyr wplsklcav wyladvfst asmhlcals ldryvaionp
 181 ihhsrfnsrt kafkiliavw tsvgismp1 pvfqlqddsk vfkegscila ddnfvligsf
 241 vsff'pltm vityfltiks lqeatlcvs dlgttraklas fsflpgeels sekfqrsh
 301 repggytgrr tmqsisneqk ackvlgivff lfvmwcpff itriravick escnedviga
 361 llnvfvwigy lssavmplvy tlfnktyrsa fsrylqcqyk enkkplqlil vntipalayk
 421 esqlmqgqk nskqdakttd ndcsmvalgk qhseeaskdn sdgvnekvaa_y

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FIG. 7G

1 malsyrvsel qstipehiq stfvhvissn wsglqtesiz eemqiveeq gnklhwaall
 61 ilmviptig gntlvllavs leklqyatr yflmelavad llvglfvmpi alltimfeam
 121 wplplvlcpa wlfldvlfst asimhlcals vdryiaikkp iqanqynera tafikkittvw
 181 llsigialpv plkgietdvd npnnitcvlt kerfgdmlf gslaafftupi alimivtyflt
 241 ihalgkkayl vknkppqrll wltvstvfqr detpcsspek vamlggsrkd kalpnsqdet
 301 lmrrestigk ksvqtieneg raskvlgivf flflmwcpf fitnltlvc dscnqttlqm
 361 lleifwigy vssgvnplvy tlnkttfrda fgryitcnyr atkavktlrx raskiyfrnp
 421 maenskffk hginpinpa myqspmrirs stiqssii: idtllltene gdkteeqvay
 481 Y

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FIG. 7H

1 maaasydqll kqvealkmen snlrqeledn snhltklete asnmkevlkq lqgsiedeam
 61 assggidlle rikelnldss nfpvgklrsk msirsygere gsvssrsgec spvpngsfpr
 121 rgfvngsres tgyleeleke rsllladldk eeekdwyya qlqnltkrid slpltenfsl
 181 qtdmtrrqle yearqirvan eeqigtccqm ekragrriar iqgiekdilr irqlisqat
 241 eaerssqnkh etgshdaerq negqgvgein natsgngqgs ttrmdnetas vlssssthsa
 301 prrltshlgt kvemvyslls mlgtndkddm srlilamss qdscismrgs gclplliql
 361 hgnkdsvll gnsrgskear arasaalhui ihsqdddkrg rreirvlhll eqiraycetc
 421 wewgeahpg mdqdkmpmpa pvehqicpav cvlmklsfde ehhrammelg glqaiuellq
 481 vdcemygltn dhysitlrry agmaltnltf gdvankatic smkgcmraiv aqiksesedi
 541 qqviasvlrn lswradvnsk ktlrevgsvk almecalevk kestlksvls alwnlsahc
 601 enkadicavd galafivgtl tyrsqntla iiesgggilr nvssliatne dhrqilrenn
 661 clqtllqhlk shsitivsna cgtlwnlsar npkdqaalwd mgavsmknl ihskhcmiam
 721 gsaaalrnlm anrpakykda niaspgsslp slhvrkqkal eaeldaqhls etfdnienls
 781 pkashrsekqr hkqsllygdyv fdtnrhdndr sdnfntgrmt vlspylnttv lpsssssrgs
 841 ldssrsekdr slerargigl gnyhpatenp gtsskrqlqi sttaaqlkv meevsaihts
 901 qedrsgstt elhcvtdern alrrssaht hstynftks ensnrtsmp yakleykrss
 961 ndslnsvsss dgygkrqgm psiesysedd eskfcsygy padlabkihs anhdndndge
 1021 ldtpinyslk ysdeqlnsgr qspqnerwa rpkhlided kqseqrqrn csttypvyte
 1081 stddkhkfkf phfgqgecv pyrsgangs etnrvgsnbg inqnvsgslc qeddyeddkp
 1141 tnyseryseee eqheeeerpt nysikyneek rhvdqpidys lkyatdipss qkgsfsfsks
 1201 ssgqsakteh mssssentst pssnakrqng lhpssaqsrs gqpqkaatck vssingetiq
 1261 tyvedtpic fsrcsslsal ssaedeigcn qttqeadsan tlqiaeikek igrsaedpv
 1321 sevpavsqhp rtkssrlqgs slssesarhk avefssgaks paksqaatpk spphyvqet
 1381 plmfartctsv ssldsfses lassvgsep sgmvsgilsp sdldpspgqt mppsrektpp
 1441 pppqtaqtkr evpkakapta ekrespgqa avnaavqrvq vlpdadtlh fatestdpf
 1501 scssslsals ldepfiqkdv elrimppvqe ndngnetese qpkesnenge keaektidse
 1561 kdildsdadd dieileecil samptkssrk akkpaqtask lpppvarkps qlpvylkps
 1621 qnrlqpqkhv sftpgdmp rvcvegtpin fstatslsl tiesppnela agegvrqgaq
 1681 sgfekrdti ptegrstdea qggktssvti pelcdnkaee gdilaecins ampkgkehkp
 1741 frvkkindqv qqasasssap nknqldgkkk kptspvkip qnteyrtrvr knadsknnln
 1801 aerfvsdnkd skkqnlknns kdfndklpnn edrvrgsfaf dsphhytpie gtpyofsrnd
 1861 slsldfddd dvdlrrekae lrkakenkes eakvtshte tsngqsankt qaiakqpinr
 1921 gqpkpilqkq stfpqsskdi pdrgaatdek lqnfaientp vcfshnssls slsdidqenn
 1981 nkenepiket eppdsqgeps kpqasgyapk sfhvedtpvc frnssslssi sidseddllq
 2041 ecissampkk kkprrlkgn ekhsprmgg ilgedltldi kdiqrpdseh glspdsenfd
 2101 wkaiqegans ivsslhqaaa aacslrqass dsdsilsiks gislgspfh1 tpdqeeqpf
 2161 snkgprilkp gekstletkk ieseskgikg gkkykslit gkvrnselss ggmkgplqan
 2221 mpsisrgrtm ihipgvrnss sstspvskkg pplktpasks psegqtatte prgakpsvks
 2281 elapvarqts qiggsskaps rsgsrdstps rpaggplsrp lqspgrnsis pgrngisppn
 2341 kisqlprtss pstastkssg sgkmsytspg rqsqqaltk qtglismaes iprsesaskg
 2401 inqmnngnga nkkvelsrms stkssgsesd rserpvlvrq stfikeapsp tlrrkleesa
 2461 sfeslpsssr pasptrsqaq tpvlspslpd mslsthasvq aggrwrlppn leptieyndg
 2521 rpakrhdiar shsespsrlp inrsgtwkre hskhssslpr vetwrrtgss ssilsasses
 2581 sekaksedek hvnsisgtkq skenqvsakg twrkikenef sptnatsqtv ssgatngaes
 2641 ktliycmapa vsktedvwrz iedcpinnpr sgrsptgntp pvidsvseka nbnikdskdn
 2701 qakqnvngs vpmrtvglen rlnsfivda pdqkgteikp gqanpvpvse tnessivert
 2761 pfsssssskh sspsgtvaar vtpfnynpse rkssadstsa rpsqiptpvn nntkkrdskt
 2821 dstessgtqs pkrhsqsylyv **END**

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FIG. 8

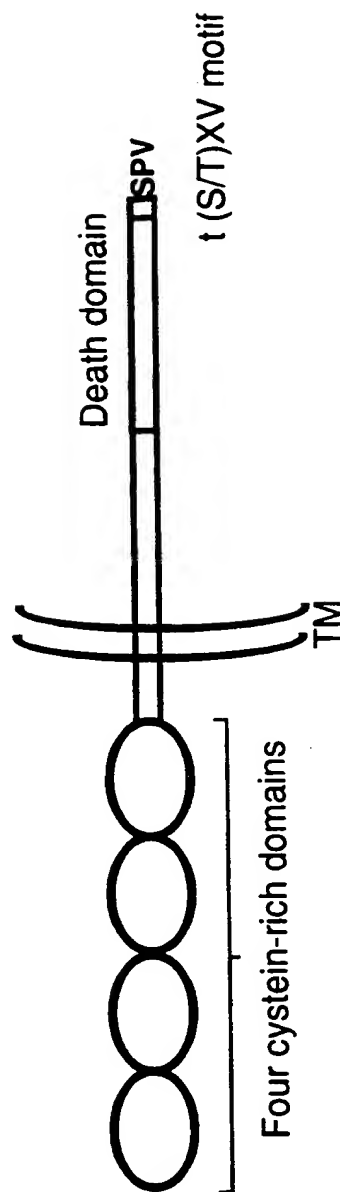
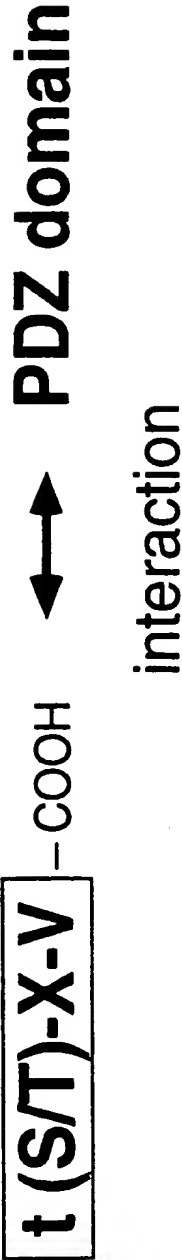
p75NGFR**(Low-affinity nerve growth factor receptor)**

FIG. 9

	C-terminal amino acid sequence
Fas	NEIQSLV
p75NGFR	STATSPV



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FIG. 10
In vitro interaction of ^{35}S -labeled FAP-1 with various receptors
— FAP-1 binds to the cytoplasmic region of p75NGFR. —

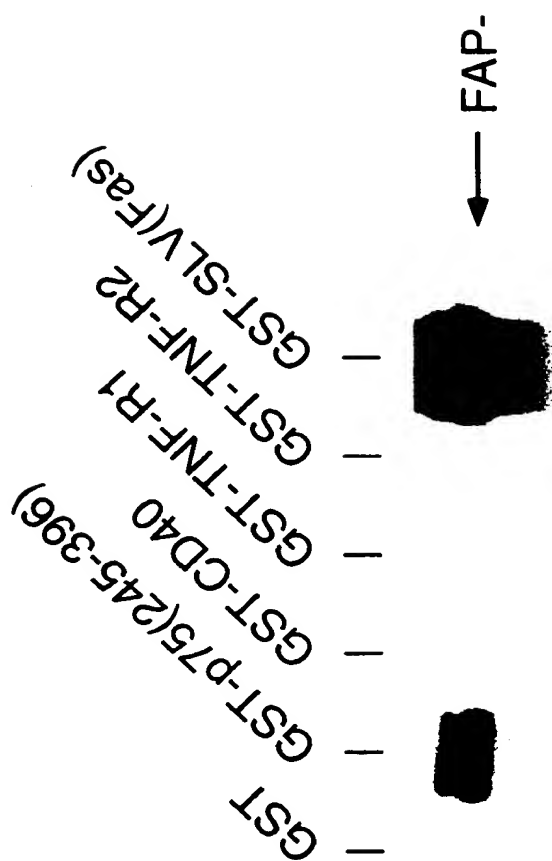
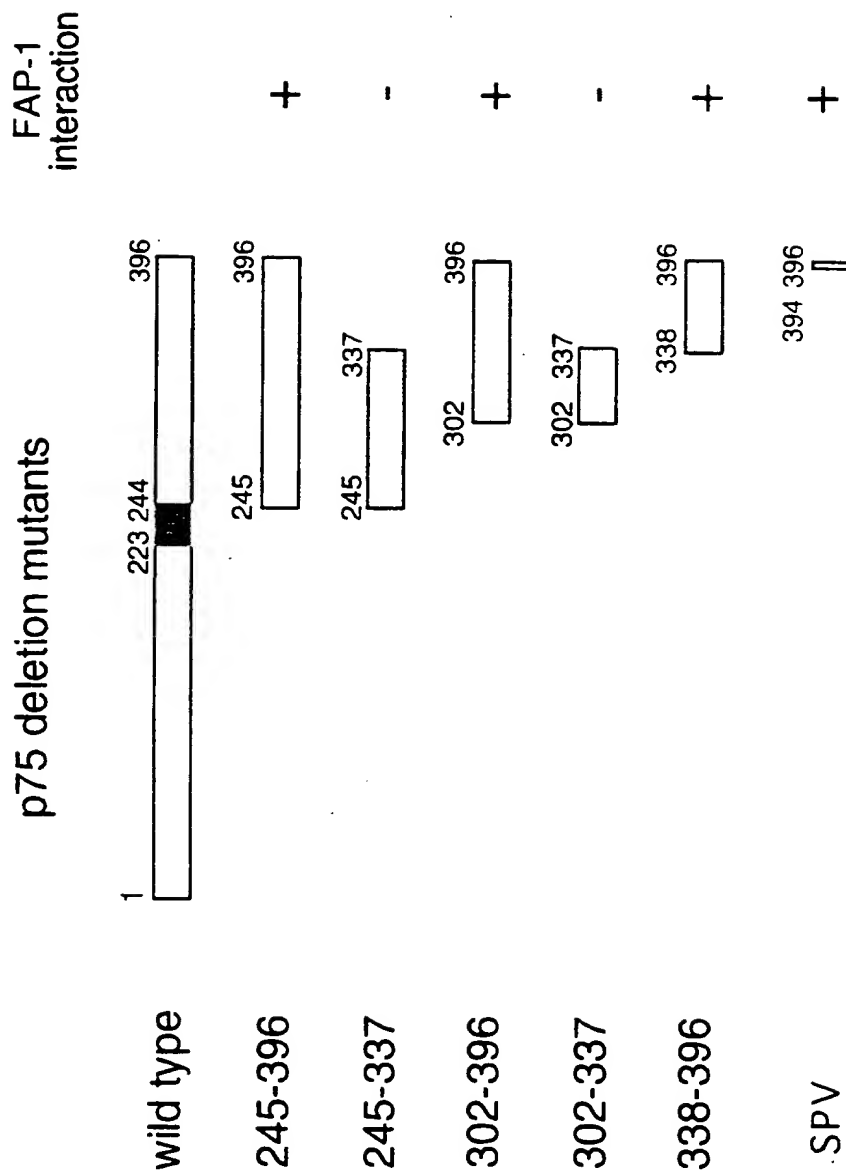
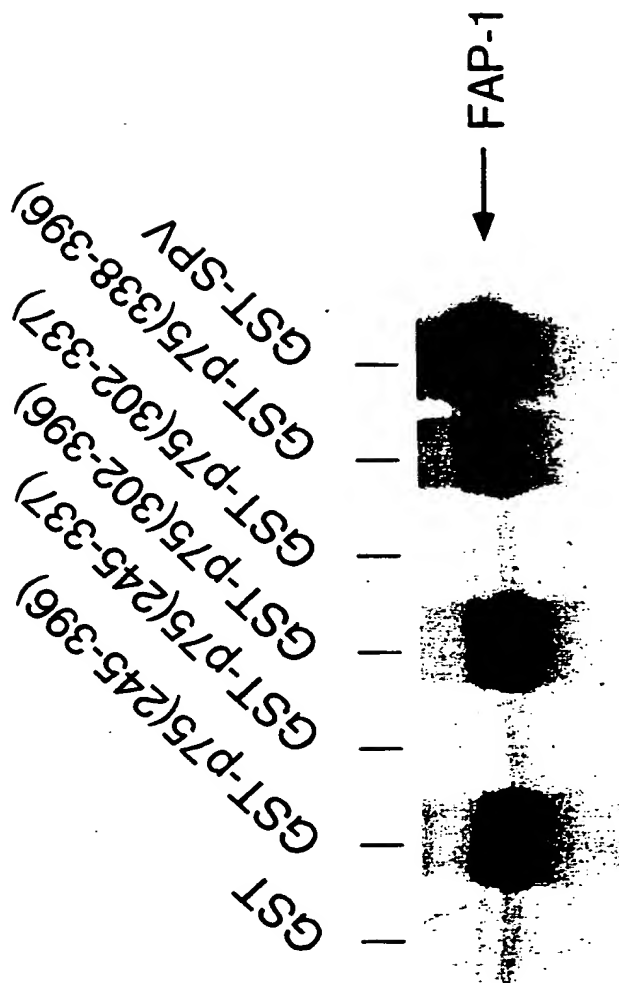


FIG. 11A
FAP-1 binds to C-terminal three amino acids SPV of p75NGFR.



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FIG. 11B



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FIG. 12

FAP-1 binds to p75NGFR C-terminal cytoplasmic region in yeast.

VP16-FAP-1 VP16-cRaf

LexA-p75NGFR(338-396)

+

-

LexA-p75NGFR(365-396)

+

-

LexA-Fas

++

-

LexA-Ras^{V12}

-

+

LexA-Lamin

-

-